

Work Order ID 64230

Tuesday, November 30, 2010 12:47:50 PM

Page 1

Item ID: D4077-1KGY

Accept

Setup Start

Revision ID:

Stop

Item Name: Overhead Panel, LH

Start Date: 11/30/2010 Start Qty: 2.00

Cust Item ID:

Required Date: 12/14/2010 Req'd Qty: 2.00

Customer:

Reference:

Approvals: Process Plan: W Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4077

A

100

0.00



HandThermo

Memo

0.00

Hand Finishing Thermoforming

1-Cut Sheet to required Blank size

x2

DL

10/12/17

105

0.00



HandThermo

Dry material

Memo

0.00

Hand Finishing Thermoforming

Dry Sheet as per QSI022 ALEXTRA

Temp: 150°Time IN: 6:00 PM 10/12/16Time OUT: 7:00 AM 10/12/17

x2

DL

10/12/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 64230

Tuesday, November 30, 2010 12:47:50 PM



Page 2

Item ID: D4077-1KGY

Accept



Setup Start



Revision ID:

Stop



Item Name: Overhead Panel, LH

Start Date: 11/30/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 12/14/2010 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

110

0.00



Thermoform

Memo

0.00

Thermoforming Machine

1-Machine Set-Up
2-Pre-heat Tool to required temp.
3-Thermoform as per Dwg and Folio #FTA089 using tool DT9139
Dwg Rev: A
Folio Rev: A

x2

DL
10/12/17

120

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

Visually inspect part for proper formation and texture

x2

DL
10/12/17

130

QC8- Inspect parts - second check

0.00



QC

Memo

0.00

Quality Control

x2

BB
10/12/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 64230

Tuesday, November 30, 2010 12:47:51 PM

Page 3

Item ID: D4077-1KGY

Accept

Revision ID:

Item Name: Overhead Panel, LH

Start Date: 11/30/2010 Start Qty: 2.00

Required Date: 12/14/2010 Req'd Qty: 2.00




Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140		0.00							
	HandThermo					x2			Wt
Hand Finishing Thermoforming	Memo 1-Trim to finished dimensions as per Dwg	0.00							10/12/20
150	QC2- Inspect parts off machine FAI/FAIB	0.00							
	QC					x2			Wt
Quality Control	Memo Complete FAI document	0.00							10/12/20
160	QC5- Inspect part completeness to step on W/O	0.00							
	QC								
Quality Control	Memo	0.00				(x2)			

8.012/23

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 64230

Tuesday, November 30, 2010 12:47:52 PM

Page 4

Item ID: D4077-1KGY

Accept

Revision ID:

Item Name: Overhead Panel, LH

Start Date: 11/30/2010 Start Qty: 2.00

Required Date: 12/14/2010 Req'd Qty: 2.00

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

170

Identify as per dwg & Stock Location: _____

0.00



Packaging

Memo

PPP 64229

0.00

Packaging

_____ 11/01/03 (2)

180

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

OK 11/01/04

h 11-01-03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, November 30, 2010 12:47:49 PM

Page 1

Work Order ID: 64230



Parent Item: D4077-1KGY



Parent Item Name: Overhead Panel, LH

Start Date: 11/30/2010

Required Date: 12/14/2010

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev. A New Issue 10/11/30 DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MKYD6185S.080-P3- 52068		Purchased	No			100	sf	393.5600	6	12.06030			



Kydex steel grey



Location

Loc Qty

Loc Code

therm

393.56

393.56

111807

12.06030 sy fl

DL ✓
10/12/17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

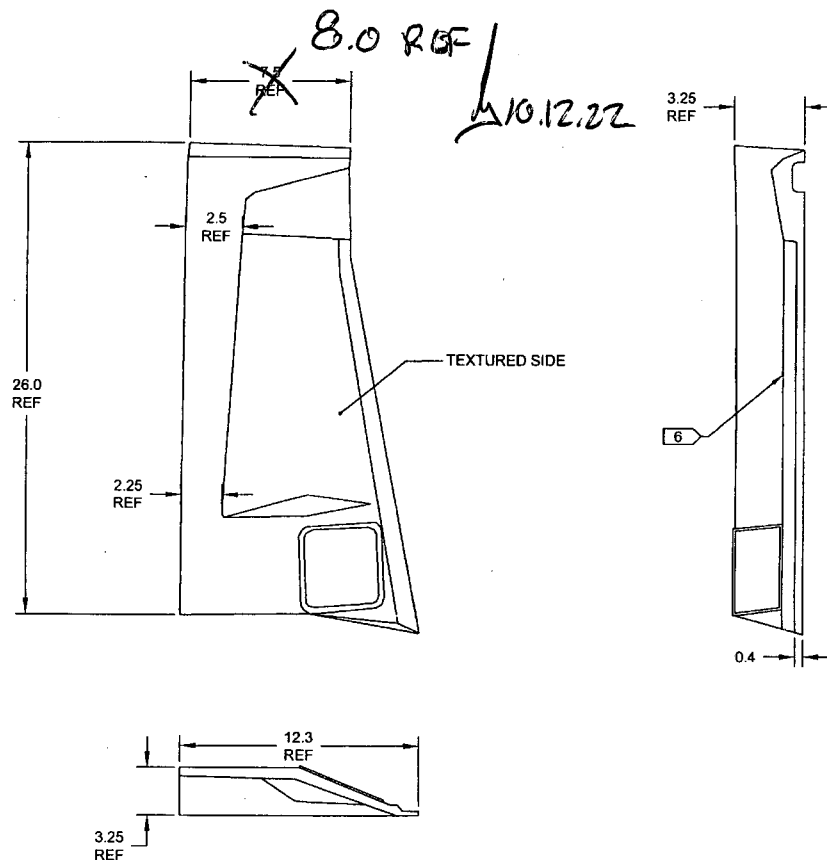
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

64230







D4077-1 OVERHEAD PANEL, LH

RELEASED
R 2010-11-26

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: DART P/N (SEE TABLE) PER DART QSI 044 6.4
- 7) WEIGHT: 1.07 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9139 PER DART QSI 022. TRIM PER MOLD.
- 9) MINIMUM THICKNESS: 0.045" UNLESS OTHERWISE NOTED

PART NUMBER	DESCRIPTION
D4077-1KIV	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)
D4077-1KGY	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)

A	NEW ISSUE	SC	10.10.21
REV.	DESCRIPTION		BY DATE
DESIGN	SC	DART AEROSPACE LTD	
DRAWN	SC	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4077	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		OVERHEAD PANEL (BELL 206 A/B)	NTS
DATE	10.10.21	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

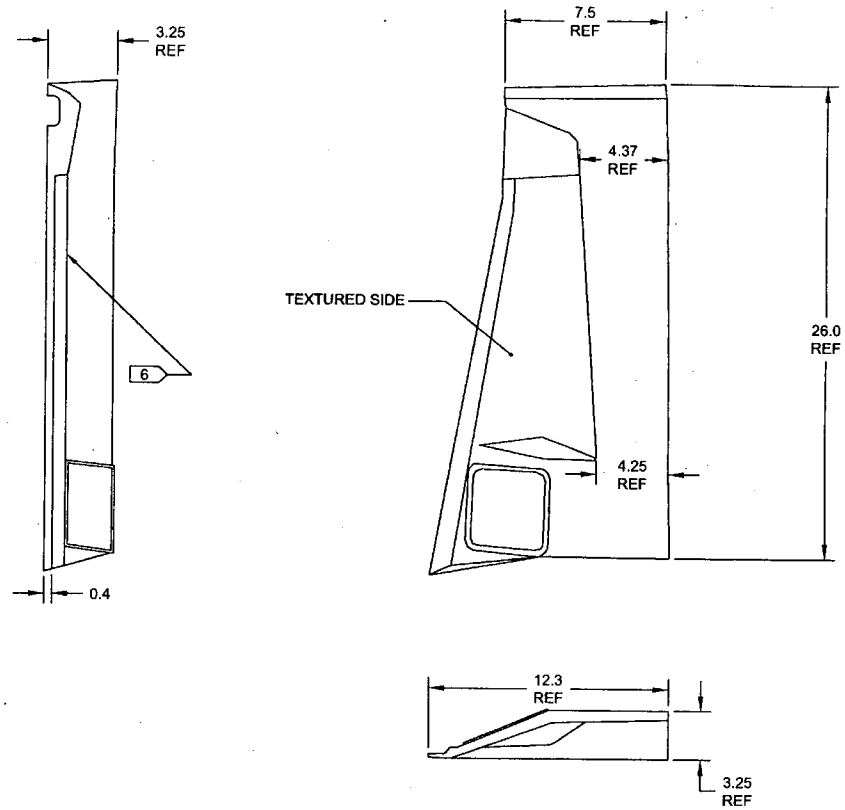
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

64730



D4077-2 OVERHEAD PANEL, RH

RELEASED
2010-11-10

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: DART P/N (SEE TABLE) PER DART QSI 044 6.4
- 7) WEIGHT: 1.03 lbs
- 8) TOOLING: THERMOFORM PER MOLD DT9140 PER DART QSI 022. TRIM PER MOLD.
- 9) MINIMUM THICKNESS: 0.045" UNLESS OTHERWISE NOTED

		DESIGN	SC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
		DRAWN	SC		
PART NUMBER	DESCRIPTION	CHECKED	UP	DRAWING NO.	REV. A
D4077-2KIV	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, IVORY #62015 (MKYD6185S.080-P3-62015)	MFG. APPR.	UP	D4077	SHEET 2 OF 2
D4077-2KGY	KYDEX 6185, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068 (MKYD6185S.080-P3-52068)	APPROVED	UP	TITLE	SCALE
		DE APPR.	UP	OVERHEAD PANEL (BELL 206 A/B)	NTS
		DATE	10.10.21	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE, OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	64230
Description:		Part Number:	D4077-1K6Y
Inspection Dwg: D4077 Rev: A		Page 1 of 1	

FIRST ARTICLE INSPECTION CHECKLIST
THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than "	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

Measured by:	<i>Sh</i>	Date:	10/12/20
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TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
26.0	Ref	26"	✓			
7.5	Ref	8"	✓			WASTE DIM ON DWG.
12.3	Ref	12.3"	✓			
3.25	Ref	3.25"	✓			
0.4	± .100	0.480"	✓			
0.045"	MIN.	0.056"	✓			

Measured by:	<i>Sh</i>	Date:	10/12/20
Audited by:	<i>8</i>	Date:	10/12/23
Preliminary Approval:		Date:	

Rev	Date	Change	Revised by	Approved
B	10.04.14	Added preliminary approval	KJ	

10.04.14